

SCORE Search Results Details for Application 10552515 and Search Result 20090316_112516_us-10-552-515-1.rai.

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This page gives you Search Results detail for the Application 10552515 and Search Result 20090316_112516_us-10-552-515-1.rai.

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OM protein - protein search, using sw model

Run on: March 17, 2009, 05:01:40 ; Search time 160 Seconds
(without alignments)
1258.128 Million cell updates/sec

Title: US-10-552-515-1
Perfect score: 4950
Sequence: 1 MRMAATAWAGLQGPPLPTLC.....SELSSHWTPTVPKASQLQQ 933

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1316349 seqs, 215321474 residues

Total number of hits satisfying chosen parameters: 1316349

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:
1: /ABSS/Data/CRF/ptodata/1/iaa/5_COMB.pep:
2: /ABSS/Data/CRF/ptodata/1/iaa/6_COMB.pep:
3: /ABSS/Data/CRF/ptodata/1/iaa/7_COMB.pep:
4: /ABSS/Data/CRF/ptodata/1/iaa/H_COMB.pep:
5: /ABSS/Data/CRF/ptodata/1/iaa/PCTUS_COMB.pep:
6: /ABSS/Data/CRF/ptodata/1/iaa/RE_COMB.pep:
7: /ABSS/Data/CRF/ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result	Query					Description
	No.	Score	Match	Length	DB	ID
1	1531.5	30.9	920	2	US-10-104-047-2574	Sequence 2574, Ap
2	1497	30.2	956	3	US-10-912-745B-284	Sequence 284, App
3	1154	23.3	596	2	US-10-104-047-2541	Sequence 2541, Ap
4	912.5	18.4	475	2	US-10-104-047-3116	Sequence 3116, Ap
5	905	18.3	642	3	US-10-108-260A-4483	Sequence 4483, Ap
6	796	16.1	425	2	US-09-270-767-45552	Sequence 45552, A
7	684.5	13.8	483	3	US-10-108-260A-3990	Sequence 3990, Ap
8	594.5	12.0	660	3	US-10-108-260A-3644	Sequence 3644, Ap
9	455.5	9.2	257	3	US-10-100-683-7209	Sequence 7209, Ap
10	455.5	9.2	257	3	US-11-001-793-7209	Sequence 7209, Ap
11	411.5	8.3	393	3	US-09-876-997-457	Sequence 457, App
12	411.5	8.3	393	3	US-10-643-836-457	Sequence 457, App
13	396.5	8.0	215	2	US-09-270-767-61064	Sequence 61064, A
14	353	7.1	366	2	US-09-270-767-32253	Sequence 32253, A
15	353	7.1	366	2	US-09-270-767-47470	Sequence 47470, A
16	290	5.9	189	2	US-09-270-767-31816	Sequence 31816, A
17	290	5.9	189	2	US-09-270-767-47033	Sequence 47033, A
18	255.5	5.2	199	2	US-09-270-767-31722	Sequence 31722, A
19	255.5	5.2	199	2	US-09-270-767-46939	Sequence 46939, A
20	186.5	3.8	166	2	US-09-621-976-4064	Sequence 4064, Ap
21	186.5	3.8	166	3	US-10-664-025A-4064	Sequence 4064, Ap
22	117	2.4	548	1	US-08-676-279-50	Sequence 50, Appl
23	117	2.4	548	2	US-08-903-139B-8	Sequence 8, Appli
24	117	2.4	548	2	US-08-637-823B-25	Sequence 25, Appl
25	117	2.4	548	2	US-09-614-957D-25	Sequence 25, Appl
26	115.5	2.3	2013	1	US-08-324-977-12	Sequence 12, Appl
27	115.5	2.3	2013	1	US-08-384-616-12	Sequence 12, Appl
28	115.5	2.3	2013	1	US-08-904-686A-12	Sequence 12, Appl
29	115.5	2.3	2013	2	US-09-315-850-12	Sequence 12, Appl
30	115.5	2.3	3010	1	US-08-324-977-2	Sequence 2, Appli
31	115.5	2.3	3010	1	US-08-324-977-14	Sequence 14, Appl
32	115.5	2.3	3010	1	US-08-384-616-2	Sequence 2, Appli
33	115.5	2.3	3010	1	US-08-384-616-14	Sequence 14, Appl
34	115.5	2.3	3010	1	US-08-904-686A-2	Sequence 2, Appli
35	115.5	2.3	3010	1	US-08-904-686A-14	Sequence 14, Appl
36	115.5	2.3	3010	2	US-09-315-850-2	Sequence 2, Appli
37	115.5	2.3	3010	2	US-09-315-850-14	Sequence 14, Appl
38	113.5	2.3	631	3	US-10-369-493-12179	Sequence 12179, A
39	112.5	2.3	1107	3	US-11-216-782-11586	Sequence 11586, A
40	110.5	2.2	680	2	US-09-725-735A-19	Sequence 19, Appl
41	110.5	2.2	680	3	US-10-457-452-19	Sequence 19, Appl
42	108.5	2.2	523	2	US-09-949-016-11540	Sequence 11540, A
43	108.5	2.2	578	2	US-09-052-753B-7	Sequence 7, Appli
44	106	2.1	539	2	US-09-248-796A-16542	Sequence 16542, A
45	105	2.1	1089	2	US-10-012-231A-102	Sequence 102, App

ALIGNMENTS

RESULT 1

US-10-104-047-2574

; Sequence 2574, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 6943241el full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2574
; LENGTH: 920
; TYPE: PRT
; ORGANISM: Homo sapiens

US-10-104-047-2574

Query Match 30.9%; Score 1531.5; DB 2; Length 920;
Best Local Similarity 37.9%; Pred. No. 4.3e-157;
Matches 360; Conservative 168; Mismatches 316; Indels 105; Gaps 29;

Qy	44	TSSGSHCARSRMLRRRAQEEDSTVLID----VSPPEAE-----KRGSGYST---AHASEP	91
	: :::: : : : :		
Db	4	SSSGITNGKTKVFHPVVA--KDVNILFDELEAVSSPKDDDSLHPGNLTSTSDDASRLEA	61
Qy	92	GQQQAAACRAGS----PAKPRIADFVLVWEEDLKLDRQQDSAARDRTDMHRTWRETFD	146
	: : : :: : : : :: :		
Db	62	GGETVPERNKSNGLYFRDGKCR-DYILVYRK-----SNPQTEK---REVFER	105
Qy	147	NLRAAGLCVDQQDVQDGNTTVHYALLSASAWAVLCYYAEDRLKLPLQE---LPNQASNW	202
	: :::: : : :: :		
Db	106	NIRAEGLQMEKESSLI-NSDIIFVKLHAPWEVLGRYAEQMNRMPFRRKIYLYPFRYKFM	164
Qy	203	S-----AGLLAWLGIPNVLL-EVVPDVPP-EYYSCRFRVNKLPRFLGSDNQDTFTST	253
	: : :: : : :: ::		
Db	165	SRIDKQISRLRWLPPKKPMRLLDKETLPDLLEENDCYTAPFSQQRHHFI-IHNKETFFNNNA	223
Qy	254	KRHQILFEILAKTPGYGHEKKNLIGIHQLLAEGVLSAAFPLHDGPFKTPPEGPQAPRLNQR	313
	:: : ::		
Db	224	TRS RIVHHLQRKTY-EEGKNKIGLNRLLTNGSYEAAFPLHEGSYRSKNSIRTHGAENHR	282
Qy	314	QVLFQHWARWGKWNKYQPLDHVRRYFGEKVALYFAWLGFYTGWLLPAAVGTLVFLVGCF	373
	::		
Db	283	HLLYECWASGVWYKYQPLDLVRRYFGEKIGLYFAWLGFYTGMFLFPAAIFGLFVFLYGV	342
Qy	374	LVFSDIPTQELCGSKDSFEMCPCL-LDCPFWLSSACALAQAGRFLDHGGTVFFSLFMAL	432
	: ::		

RESULT 2

US-10-912-745B-284

; Sequence 284, Application US/10912745B

; Patent No. 7473

; GENERAL INFORMATION

; APPLICANT: DOMON, Bruno et al

; TITLE OF INVENTION: Pancreatic Cancer Targets and Use

; TITLE OF INVENTION:Thereof

; FILE REFERENCE: CL001538

; CURRENT APPLICATION NUMBER: US/

; CURRENT FILING DATE: 2004

; NUMBER OF SEQ ID NOS: 875

; SOFTWARE: Fa

; LENGTH: 956
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-912-745B-284

Query Match 30.2%; Score 1497; DB 3; Length 956;
Best Local Similarity 37.6%; Pred. No. 2.7e-153;
Matches 362; Conservative 161; Mismatches 307; Indels 132; Gaps 27;

Qy 26 GLYCRDQAHAERWAMT--SETSSGSHCARSMLRRRAQEEDSTVLIDVSPPEAKRGSYG 83
||| || : : || : || | || | : |
Db 52 GLYFRDGRRKVDYILVYHHKRPSG----NRTLVRVQHSDTP-----SGA 92

Qy 84 STAHASEPQQAAACRAGSPAKPRIADFVLVWEEDLKLDRQQDSAARDTDMHRTWRET 143
: | : || | : || : | : | : || |
Db 93 RSVKQDHPLPGKGASLDAGSGEPP-----MDYHEDD-----KRFRREE 130

Qy 144 FFLDNLRAAGLCSVDDQDVQDGNTTVH---YALLSASAWAVLCYYAEDLRLKLPQLELPNQAS 200
: || || :: : | : || : | : | || || || : || : || : || :
Db 131 YEGNLLEAGLELE---RDEDTKIHGVGFVKIHAPWNVLCREAEFLKLKMPTKKMYH--I 184

Qy 201 NWSAGLLAWLGIPNVNLLEVPPDVPEYYSCR-----FRVNKLPRFLGSDNDQDTFF 250
| : || | : || : | : | : | : | : | | | | || : || :
Db 185 NETRGLLK--KINSVLQKITDPIQPKVAEHRPQTMKRLSYFPSREKQHFLDSL-KDSFF 241

Qy 251 TSTKRHQILFEILAKTPYGHKEKNLLGIHQLLAEGVLSAFLPHDGPFKTPPEGPQAPRL 310
| | : || : | : | : || : | : || : || : || : | :
Db 242 DSKTRSTIVYEILKRTTCTKAYS-MGITSLLANGVIAAYPLHDGDY----NGENVEF 295

Qy 311 NQRQVLFQHWARWGKWNKYQPLDHVRRYFGEKVALYFAWLGFYTGWLLPAAVGTLVFLV 370
| : || : | : || : | : || : || : | : || : || : | :
Db 296 NDRKLLYEEWARYGVFYKYQPIDLVRKYFGEKIGLYFAWLGVYTQMLIPASIVGIIIVFLY 355

Qy 371 GCFLVFSDIPTQELCGSKDSFEMCPLC-LDCPFWLSSACALAQAGRFLFDHGGTVFFSLF 429
| | : : || : | : | : || : | : || : || : | : || : | :
Db 356 GCATMDENIPSMMECDFQRHNITMCPLCDKTCYWKMSACATARASHLFDNPATVFFSFV 415

Qy 430 MALAWLLEWWRKRSATLAYRWDCSDYEDTEERPRPQFAA----SAPMTAPNPITGED 484
| || | : || : | : || : | : | : | : | : | : | : |
Db 416 MALWAATFMEHWKRKQMRLNRYRWDLTFGEEEEDHPRAEYEARVLEKSLKKESRNKET--D 473

Qy 485 EPYFPERSRARMLAGSVVIVVMVAVVMCLVSIILYRAIMAIVVSRSGNLAAWASRI 544
: | | | | | : || : | : || : | : | : | : | : | : |
Db 474 KVKLTRDRFPAYLTNLVSIIFMIAVTFAIVLGVIIYRISMAALAMNSSPSVRSNIRVT 533

Qy 545 ASLTGSVVNLVFILILSKIYVSLAHVLREWEMHRTQTKFEDAFTLKVFIFQFVNHYSSPV 604
: | : || : | : | : | : | : | : | : | : | : | : | :
Db 534 VTATAVIIINLVVIILLDEVYGCIAWRWLTKIEVPKTEKSFEERLIFKAFLLKVFNSYTPIF 593

Qy 605 YIAFFKGRFVGYPGNYHTLF-GVRNEECAAGGCLIELAQELLVIMVGKQVI--NNMQEVLI 662
| : || | | | | : | : | | | | : | : | : | : | : |
Db 594 YVAFFKGRFVGPRGDYVYIFRSFRMEECAPGGCLMELCIQLSIIMLGKQLIQNNLFEIGI 653

RESULT 4

US-10-104-047-3116

; Sequence 3116, A

; Patent No. 6943241

; GENERAL INFORMATION:

; APPLICANT: HELIX

i TITLE OF INVENTION

FILE REFERENCE: H1-A0105

CURRENT APPLICATION NUMBER

; CURRENT FILING DATE: 2002-03-25

; PRIOR APPLICATION NUMBER:

; PRIOR FILING DATE:

; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3116
; LENGTH: 475
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-3116

Query Match 18.4%; Score 912.5; DB 2; Length 475;
Best Local Similarity 38.0%; Pred. No. 7.3e-90;
Matches 202; Conservative 89; Mismatches 143; Indels 97; Gaps 12;

Qy 430 MALWA VLLLEYWKRKSATL AYRWD CSDYEDTEER PRP QFAASAPMTA PNP ITGEDEPYFP 489
Db 1 MAVWATV FLEFWK RRAVIA YDWDLID WEEE E----- 32

Qy 490 ERSRAR RMLAGS VVIV VMVA VVV MCLV SII LYRAIMA IVVS RSGN TLLA-AWA----SR 543
Db 33 -----IC VVIA AVFG IIVY RVVT V-----STFA AFK WALIRNN SQ 67

Qy 544 IASLTGS VV--NLV F I LIL SKI YVSLAH VLTR WEMH RTQTKF ED AFTLK VFI FQFVN FYS 601
Db 68 VAT-TGTAVC INF CIIM LLNV LYEK VALL LTNE QPRTE SEWE NSFTL KMFL FQFVN LNS 126

Qy 602 SPVYIAFF KGRF VGYP GNHY TLFG-VRNEE CAAGG CLIELA QELL VIMVGK QV INNM QEV 660
Db 127 STFYIAFFL GRFTG HPGAY LRL IN RW RL ECHPS GCLIDL CMQM GI IMVL KQTWN NF MEL 186

Qy 661 LIPKLKG WQKF RLRS KKRKA GASAGA SGQGP WEDDY EL VPCE--GLF D EYLEM V LQFGF V 718
Db 187 GYPLIQ NW WTR--RK VRQE HGPERK ISFP QW EKDYN LQPM NAY GLF D EYLEM I LQFG F T 243

Qy 719 TIFVAA C PLAPL F ALLNNW V EIRLDARK FV CEYR RPVA ERAQ DIGI WF HILA GLT HLA VI 778
Db 244 TIFVAA FPLAPL ALLNNI IEIR LDAY K FVTQ WRRPL ASRA K DIGI WY GILE GIG ILS VI 303

Qy 779 SNAFL LA FSSD FL PRAY YRW-----TRAHDLRGFLNFTLA-----R 814
Db 304 TNAF VIAITS D SFPI RLV YAKY GPCAG QGEAG QKCMV GY VN ASLS VFRIS DFEN SEPES 363

Qy 815 APSSFAAAHN RTCRYRA FRDD DGH----YSQTYW NL LAIR LAF VIV FEHV VF SVGR LLD 869
Db 364 DGSE FSGT PLK YCRY RDPP HS LV PYGY TLQF WHV LAAR LAF II IV FEH LVFC IKHL IS 423

Qy 870 LLVPD IPE SVEIKV KR EYYLA KQAL AE NEV L FGT NGTK D E QPKG SEL SHW 920
Db 424 YLIPDLPK DLDRM RRE KYLI QEMM YEA EEL R LQKER KER KNGKA HH NEW 474

RESULT 5

US-10-108-260A-4483
; Sequence 4483, Application US/10108260A
; Patent No. 7193069

; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 7193069el full length cDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; CURRENT FILING DATE: 2002-03-27
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4483
; LENGTH: 642
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-108-260A-4483

Query Match 18.3%; Score 905; DB 3; Length 642;
 Best Local Similarity 35.4%; Pred. No. 8.2e-89;
 Matches 222; Conservative 106; Mismatches 219; Indels 80; Gaps 17;

Qy 26 GLYCRDQAHAEWAMT--SETSSGSHCARSRMLRRRAQEEDSTVLLIDVSPPPEAKRGSY 83

24 GLYFRDGRRKVDYIILVYHHKRPSG-----NRTLVRRVQHSDTP-----SGA 64

Qy 84 STAHASEPQQQAAACRAGSPAKPRIADFVLVWEEDLKLDRQQDSAARDRTDMHRTWRET 143

65 RSVKODHPLPGKGASLDAGSGEPP-----MDYHEDD-----KRFREE 102

Qy 144 FLDNLRAAGLCVDQQDVGDGNTTVH---YALLSASWAFLCYYAEDLRLKLPLQELPNQAS 200

103 YEGNLLAEAGLELE---RDEDTKIHGIVGVFKIHAPWNVLCREAELKLKMPTEKKMYH--I 156

Qy 201 NWSAGLLAWLGIPNVLLEVVPDPVPEYYSCR-----FRVNKLPRFLGSDNQDTFF 250

157 NETRGLLK--KINSVLOKITDPIOPKVAEHRPOTMKRLSYSPESSREKOHLFPLSD-KDSFF 213

Qy 251 TSTKRHQILFEILAKTPYGHKEKKNLLGIHQLLAEGVLSAAFPLHDGPFKTPPEGPQAPRL 310

214 DSKTRSTIVYEILKRTTCTKAKYS-MGITSIJIANGVYAAAYPLHDGDY-----NGENVEF 267

Qy 311 NQRQVLFQHWARWGNKQPLDHVRRYFGEKVALYFAWLGFYTGWLLPAAVVGTFLV 370

268 NDRKLILYEERRYGVEYKYOPIDLVRKYEGEKIGLYFAWLGVTOMLIPASIVGLIVELY 327

Qy 371 GCFLVFSIPTQELCGSKDSFEMCPLC-LDCPFWLLSSACALAQAGRLFDHGGTVFFSLF 429

328 GCATMDENIPSMEMCDORHNITMCPICDKTCSYWKMSACATARASHIEDNPATVFESE 387

Qy 430 MALWAVLLLEYWKRKSATLAYERWDCSDYEDTEERPRPQFAA-----SAPMTAPNPITGED 484

388 MALWAATEMEHUKKOMBI NYRWDLTGCFFFFEDHRRAEYEARVILEKSILKKESPNKET—D 445

Qy 485 EPYFPERSRARMLAGSVIVVMVAVVMCLVSIIYRAIMAIVVSRSGNTLLAwasRI 544

446 KYKLWWRDPRRAYLTNLVSTIEMTAVTEALIVLGVLTYRTSMAAAALAMNSSPRSVPNSNTRVT 505

Qy 545 ASLTGSVNLVFIILISKIYVSLAHVLTRWEMHRTQTKFEDAFTLKVFIFQFVNFYSSPV 604
 : | : ||| ::| :| :| ||| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :|
 Db 506 VTATAVIIINLVVIILLDEVYGCIARWLTKIEVPKTEKSFEERLIFKAFLKFVNNSYTPIF 565
 Qy 605 YIAFFKGRFVGYPGNYHTLF-GVRNEE 630
 |:||||||| ||:| :| | |||
 Db 566 YVAFFKGRFVGGRPQDYVYIFRSFRMEE 592

RESULT 6

US-09-270-767-45552

; Sequence 45552, Application US/09270767

; Patent No. 6703491

; GENERAL INFORMATION:

; APPLICANT: Homburger et al.

; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster

; FILE REFERENCE: File Reference: 7326-094

; CURRENT APPLICATION NUMBER: US/09/270,767

; CURRENT FILING DATE: 1999-03-17

; NUMBER OF SEQ ID NOS: 62517

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 45552

; LENGTH: 425

; TYPE: PRT

; ORGANISM: Drosophila melanogaster

; FEATURE:

; OTHER INFORMATION: Xaa means any amino acid

US-09-270-767-45552

Query Match 16.1%; Score 796; DB 2; Length 425;
 Best Local Similarity 41.1%; Pred. No. 3.4e-77;
 Matches 171; Conservative 85; Mismatches 128; Indels 32; Gaps 9;

Qy 443 RKSATLAYERWDCSDYEDTEERPRRPQFAA---SAPMTAPNPITGEDEPYFP-EERSRARML 498
 | || : :||| : :: || ||||: | | | : :| | | | : :| :| :| :| :| :| :| :|
 Db 1 RYSAEITHRWDLTGFDVHEEHPRPQYLARLEHIPPTRVDYVTNIKEPTVPFWRMKLPATV 60

Qy 499 AGSVVIVVMVAVVMCLVSIIILYRAIMAIIVSRSQNTLLAWASRIASLTGSVNLVIL 558
 |:::::| : |:::::|| | : | : | : | : | : | : | :| :| :| :| :| :| :| :|
 Db 61 FSFSVVLILLALAFVALLAVVYRMSMLAALKVGASPMTTSSAIVLATASAAFVNLCILLY 120

Qy 559 ILSKIIYVSLAHVLTRWEMHRTQTKFEDAFTLKVFIFQFVNFYSSPVYIAFFKGRFVGYPG 618
 ||: :| | | | | | ||| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :|
 Db 121 ILNYMYNHLAEYLTELEMWRTQTQFDDSLTLKIYLLQFVNYYASIFYIAFFKGKFGHPG 180

Qy 619 NYHTLFGVRNEECAAGGCLIELAQELLVIMVGKQVINNMQEVLIPKLKGWWQKFRLRSKK 678
 |: | | | | | | :| | | | | | | :| :| :| :| | :| :| :| :| :| :| :| :|
 Db 181 EYNKLFDYRQECCSSGGCLTELCIQLAIIMVGKQAFNTILEVYLPM---FWRKV---LA 233

Qy 679 RKAGASAGASQGP-----WEDDYLEVP--CEGLFDEYLEMVLQFGFVTIFVAACL 727
 : | | : | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 Db 234 IQVGLSRLFNNTPNPDKTKDERWMRDFKLLDWGARGLFPEYLEMVLQYGFVTIFVAAPL 293

Qy	728	APLFALLNNWVEIRLDARKFVCEYRRPVAERAQDIGIWFHILAGLTHLAVISNAFLA 787
	: : : : :: : : : : : : : : :	
Db	294	APFFALLNNILEMRDLAKLLTHHKRPVSQRVRDIGHWYRILDGCKLSVTNGIIAFT 353
Qy	788	SDFLPR-AYRWTRAHDLRGFLNFTLAR----APSSFAAAHN----RTCRYRAFR 833
	: : : : : : : : : : : : : : : : :	
Db	354	SDMIPRLVRHVNKQGTLDGYLNFTLSEFKVIDSPTLYSLAGDLSNITT CRYTDFR 409

RESULT 7

US-10-108-260A-3990

; Sequence 3990, Application US/10108260A

; Patent No. 7193069

GENERAL INFORMATION:

APPLICANT: HELIX RESEARCH INSTITUTE

TITLE OF INVENTION: No. 7193069el full length cDNA

FILE REFERENCE: H1-A0106

CURRENT APPLICATION NUMBER: US/1

CURRENT FILING DATE: 2002-03-27

NUMBER OF SEQ ID NOS: 5458

SOFTWARE: PatentIn Ver. 2.1

: SEQ ID NO: 3990

LENGTH: 483

TYPE: PBT

ORGANISM:

US-10-108-360A-3990

65 10 100 Book 333

```

Query Match      13.8%; Score 644.5; DB 3; Length 483;
Best Local Similarity 35.1%; Pred. No. 6.7e-65;
Matches 171; Conservative 95; Mismatches 168; Indels 53; Gaps 14;

```

QY 526 AIVVSRSGNTLLAAWASRIASLTGSVVNLVFILILSKIVYVSLAHVLRWEMHRTQTKFED 585
 : : | : | : : | : : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 60 SALESSSAAPPFLLEEOVTTAVVYTGALHVXYTIVMTKINRVALLKDGFEMPRTFSERES 119

Qy 586 AFLTKVIFIQFVNFYSSPVYIAFFKGRFVGYPGNYHTLFGV-RNEECAAGGLIELAQUEL 644
 ||::| :|| | :|| :||:|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :||
 Ph 120 RETIREPTEILORETHSSSIIXYATLICRINCHRECKESTRIALCWLKEFECHA SCOMMDI EYOM 179

Qy 645 LVIMVGKQVINNMQEVLIPKLKGWWQKFRRLRSKKRAGASAGASQGP---WEDDYELVP 700
 :|| | | :| | | :| | | | :| | | | :| | | | :| | | |

QY 701 CE--GLFDEYLEMVLQFGFVTIFVAACPLAPLFALLNNWVEIRLDARKFVCEYRRPVAER 758
|||::|||:|||:||| |||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:

Qy 446 ATLAYRWDCSDYEDTEERPRPQFAASAPMTAPNPITGEDEPYFPERSRARMLAGSVVIV 505
| : ||| : | ||| | : | ||||:|| :| | | :| :|
Db 266 ANMTYRWGTLLMURKRFEEPRPGFHG---VLGINITSGKEEPLYPSYKRQLRIYLVSLPFV 322

Qy 506 VMVAVVVCLVSIIYLRYAIMAIVVSRSGNLAAWASRIASLTGSVNLVFILLSKIYV 565
: : :: | : | : : : | || : | : |:: : | |:::
Db 323 CLCLYFSLYVMMIYFDMEVWALGLHENG---SEWTS-VLLYVPSIIYAIIVIEIMNRLYR 378

Qy 566 SLAHVLTRWEMHRTQTKFEDAFTLKVFIFQFVNFYSSPVYIAFFKGREFVGYPGNYHTLFG 625
| || || | : : :: | || : | :| :| | |||
Db 379 YAAEFLTSWENHRLESAYQNHLILKVLVFNFNLNCFASLFYIAFV----- 422

Qy 626 VRNEECAAGGCLIELAQELLVIMVGKQVINNMQEVLIPKLKGWW---QKFRLRSKRKAGA 683
::: : | | | ::: |::| : | :| : | : | :|:
Db 423 LKDMKL-----LRQSLATLLITSQILNQIMESFLP---YWLQRKHGVRVKRVQAL 470

Qy 684 SAGASQGPWED---DYELVPCEGLFDEYLEMVLQFGFTVIFTVAACPLAPLFALLNNWVEI 740
| : | : | : | | ||:||: | ||::|: | | | |:||: |:
Db 471 KADIDATLYEQVILEKEMGTYLGFDDYLELFQFGYVSLFSCVYPLAAFAVLNNFTEV 530

Qy 741 RLDARKFVCEYRRPVAERAQDIGIWFHILAGLTHLAVISNAFLAFLSSDFLPRAYYRWT 800
| | | :|| | : | :| | : | : | : | : | : |:
Db 531 NSDALKMCRVFKRPFSEPSANIGVWQLAFETMSVISVVTNCALIGMSPQV---NAVFPESK 588

Qy 801 AHDLRGFLNFTLARAPSSAAAHHNRTCRYRAFRDDDGHSQTYWNLLAIRLAFFIVFEHV 860
| | | : | : | : | : | : | : | : | : |:
Db 589 A-DL-----ILIVVAVEHA 601

Qy 861 VFSVGRLLDLPDIPESSVEIKVKREYYLAKQALAENEVLFGTNGTKDE 909
: : | : | : | : | : | : | : | : | : |:
Db 602 LLALKFILAFAPDKPRHIQMKLARLEFESLEALKQQQMKLVTENLKEE 650

RESULT 9

US-10-100-683-7209

; Sequence 7209, Application US/10100683

; Patent No. 7368531

; GENERAL INFORMATION:

; APPLICANT: Rosen, et al.

; TITLE OF INVENTION: Human Secreted Proteins

; FILE REFERENCE: PS900

; CURRENT APPLICATION NUMBER: US/10/100,683

; CURRENT FILING DATE: 2002-03-19

; PRIOR APPLICATION NUMBER: US 60/040,162

; PRIOR FILING DATE: 1997-03-07

; PRIOR APPLICATION NUMBER: US 60/043,576

; PRIOR FILING DATE: 1997-04-11

; PRIOR APPLICATION NUMBER: US 60/047,601

; PRIOR FILING DATE: 1997-05-23

; PRIOR APPLICATION NUMBER: US 60/056,845

; PRIOR FILING DATE: 1997-08-22

; PRIOR APPLICATION NUMBER: US 60/043,580

;
 PRIOR FILING DATE: 1997-04-11
 ; PRIOR APPLICATION NUMBER: US 60/047,599
 ; PRIOR FILING DATE: 1997-05-23
 ; PRIOR APPLICATION NUMBER: US 60/056,664
 ; PRIOR FILING DATE: 1997-08-22
 ; PRIOR APPLICATION NUMBER: US 60/043,314
 ; PRIOR FILING DATE: 1997-04-11
 ; PRIOR APPLICATION NUMBER: US 60/047,632
 ; PRIOR FILING DATE: 1997-05-23
 ; PRIOR APPLICATION NUMBER: US 60/056,892
 ; PRIOR FILING DATE: 1997-08-22
 Remaining Prior Application data removed - See File Wrapper or PALM.
 ; NUMBER OF SEQ ID NOS: 13468
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 7209
 ; LENGTH: 257
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-100-683-7209

Query Match 9.2%; Score 455.5; DB 3; Length 257;
 Best Local Similarity 42.2%; Pred. No. 2.5e-40;
 Matches 108; Conservative 41; Mismatches 56; Indels 51; Gaps 9;

Qy	709 LEMVLQFGFVTIFVAACPLAPLFALLNNWVEIRLDARKFVCEYRRPVAERAQDIGIWFHI	768
	: : : : : : : :	
Db	1 MEMIIQFGFVTLFVASFPLAPLFALLNNIEIRLDAKKFVTELRRPVAVRAKDIGIWINI	60
Qy	769 LAGLTHLAVISNAFLAFLSSDFLPR-----YYRWTRAHDLRGFLNFTLARAPSSF-----	819
	: :: : : ::: : :	
Db	61 LRGIGKLAVIINAFVISFTSDFIPRLVLYMYSKNGTMHGFVNHTL---SSFNVSDFQN	116
Qy	820 AAAHN-----RTCRYRAFRD---DDGHY--SQTYWNLLAIRLAFVIVFEHVVFSVG	865
	: : : : : : : : : :	
Db	117 GTAPNDPLDLGYEVQICRYKDYPEPPSENKYDISKDFWAVLAARLAFVIVFQNLMFMS	176
Qy	866 RLLDLLVPDIPESEVIKVREYYLA-----KQALAEENEVLFGTNGTKDEQP---	911
	: : : : : :	
Db	177 DFVDWVIPDIPKDISQOIHKEKVLMLVELMREEQDKQOLL--ETWMEKERQKDEPPCNHH	234
Qy	912 -----KGSELSSH 919	
Db	235 NTKACPDSLGPAPSH 250	

RESULT 10
 US-11-001-793-7209
 ; Sequence 7209, Application US/11001793
 ; Patent No. 7411051
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen, et al.
 ; TITLE OF INVENTION: Human Secreted Proteins
 ; FILE REFERENCE: PS900

;
 CURRENT APPLICATION NUMBER: US/11/001,793
 ; CURRENT FILING DATE: 2004-12-02
 ; PRIOR APPLICATION NUMBER: US/10/100,683
 ; PRIOR FILING DATE: 2002-03-19
 ; PRIOR APPLICATION NUMBER: US 60/040,162
 ; PRIOR FILING DATE: 1997-03-07
 ; PRIOR APPLICATION NUMBER: US 60/043,576
 ; PRIOR FILING DATE: 1997-04-11
 ; PRIOR APPLICATION NUMBER: US 60/047,601
 ; PRIOR FILING DATE: 1997-05-23
 ; PRIOR APPLICATION NUMBER: US 60/056,845
 ; PRIOR FILING DATE: 1997-08-22
 ; PRIOR APPLICATION NUMBER: US 60/043,580
 ; PRIOR FILING DATE: 1997-04-11
 ; PRIOR APPLICATION NUMBER: US 60/047,599
 ; PRIOR FILING DATE: 1997-05-23
 ; PRIOR APPLICATION NUMBER: US 60/056,664
 ; PRIOR FILING DATE: 1997-08-22
 ; PRIOR APPLICATION NUMBER: US 60/043,314
 ; PRIOR FILING DATE: 1997-04-11
 ; PRIOR APPLICATION NUMBER: US 60/047,632
 ; PRIOR FILING DATE: 1997-05-23
 ; Remaining Prior Application data removed - See File Wrapper or PALM.
 ; NUMBER OF SEQ ID NOS: 13468
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 7209
 ; LENGTH: 257
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-11-001-793-7209

Query Match 9.2%; Score 455.5; DB 3; Length 257;
 Best Local Similarity 42.2%; Pred. No. 2.5e-40;
 Matches 108; Conservative 41; Mismatches 56; Indels 51; Gaps 9;

Qy	709 LEMVLQFGFVTIFVAACPLAPLFALLNNWVEIRLDARKFVCEYRRPVAERAQDIGIWFHI	768
	: : : : : : : : : : : :	
Db	1 MEMIIQFGFVTILFVASFPLAPLFALLNNNIEIRLDAKKFVTELRRPVAVRAKDIGIWINI	60
Qy	769 LAGLTHLAVISNAFLAFLSSDFLPR--YYRWTRAHDLRGFLNFTLARAPSS-----	819
	: : :: : : : ::: : :	
Db	61 LRGIGKLAVIINAFVISFTSDFIPRLVLYLYMSKNGTMHGFVNHTL---SSFNVSDFQN	116
Qy	820 AAAHN-----RTCRYRAFRD--DDGHY--SQTYWNLLAIRLAFLVIVFEHVVFSVG	865
	: : : : : : : :: :	
Db	117 GTAPNDPLDLGYEVQICRYKDYREPPSENKYDISKDFWAVLAARLAFVIVFQNLVMFMS	176
Qy	866 RLLDLLVPDIPESEVIEKVREYYLA-----KQALAEENEVLFGTNGTKDEQP---	911
	: : : : : : : :	
Db	177 DFVDWWVIPDIPKDISQOIHKEKVLVLFMREEQDKQQLL--ETWMEKERQKDEPPCNHH	234
Qy	912 -----KGSELSSH 919	

Db 235 NTKACPDSLGPAPSH 250

RESULT 11

US-09-876-997-457

; Sequence 457, Application US/09876997

; Patent No. 7060479

; GENERAL INFORMATION:

; APPLICANT: Dumas Milne Edwards, Jean Baptiste

; APPLICANT: Bougueret, Lydie

; APPLICANT: Jobert, Severin

; TITLE OF INVENTION: FULL-LENGTH HUMAN cDNAs ENCODING POTENTIALLY SECRETED PROTEINS

; FILE REFERENCE: 78.US4.CIP

; CURRENT APPLICATION NUMBER: US/09/876,997

; CURRENT FILING DATE: 2001-06-08

; PRIOR APPLICATION NUMBER: US 09/731,872

; PRIOR FILING DATE: 2000-12-07

; PRIOR APPLICATION NUMBER: US 60/187,470

; PRIOR FILING DATE: 2000-03-06

; PRIOR APPLICATION NUMBER: US 60/169,629

; PRIOR FILING DATE: 1999-12-08

; NUMBER OF SEQ ID NOS: 482

; SOFTWARE: Patent.pm

; SEQ ID NO 457

; LENGTH: 393

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-876-997-457

Query Match 8.3%; Score 411.5; DB 3; Length 393;

Best Local Similarity 23.8%; Pred. No. 3.5e-35;

Matches 111; Conservative 95; Mismatches 172; Indels 89; Gaps 11;

Qy 448 LAYRWDCSDYEDTEERPRPQFAASAPMTAPNPITGEDEPYFFERSRARRMLAGSVVIVVM 507
: ||| : | ||| | : | ||||:|| :| | :| :| :

Db 1 MTYRWGTLLMKRKEEPRPGFHG---VLGINSTITGKEEPLYPSYKRQLRIYLVLSPFVCL 57

Qy 508 VAVVVMCLVSIIYRAIMAIIVVRSRGNTLLAAWASRIASLTGSVNVNLVFILEILLSKIYVSL 567
: :: | : | : : : | : | : | : | : | : | : | : | : | :

Db 58 CLYFLSLYVMMIYFDMEVWALGLHENSG---SEWTS-VLLYVPSIIYIAIVIEIMNRLYRYA 113

Qy 568 AHVLTRWEMHRTQTKFEDAFTLKVFIFQFVNFYSSPVYIAFFKGRFVGYPGNYHTLFGVR 627
| || || | : : :: | || : | : | : | : | : | : | : | :

Db 114 AEFLTSWENHRLESAYQNHLILKVLVFNFNLCFASLFYIAFV-----LK 157

Qy 628 NEECAAGGCLIELAQELLVIMVGKQVINNMQEVLIPKLKGWW--QKFLRLRSKKRKAGASA 685
: : | | | :: |:: | : | : | : | : | : | : | :

Db 158 DMKL-----LRQSLATLLITSQILNQIMESFLP---YWLRQKHGVRVKRKVQALK 205

Qy 686 GASQGPWED---DYELVPCEGLFDEYLEMVLQFGFVTIFVAACPLAPLFALLNNWVEIRL 742
: | : | : | : | : | : | : | : | : | : | :

Db 206 DIDATLYEQVILEKEMGTLYLGFDDYLELFQFGYVSLFSCVYPLAAFAVLNNFTEVNS 265

Db	114	AEFLTSWENHRLESAYQNHILKVLVFNFNCFASLFYIAFV-----	LK 157
Qy	628	NEECAAGGCLIELAQUELLVMVGKQVNNMQEVLIPKLKGWW--QKFRLRSKKRAGASA	685
	:	: : :: :: : : : : : :	
Db	158	DMKL-----LRQLSATLLITSQILNQIMESFLP---YWLRQKHGVVRVKRVQALK	205
Qy	686	GASQGPWED---DYELVPCEGLFDEYLEMVLQFGFTVTFVAACPLAPLFALLNNWVEIRL	742
	:	: : : :: : :: : :: : :	
Db	206	DIDATLYEQVILEKEMGTYLGTFFDDYLELFQLQFGYVSLFSCVYPLAAFAVLNNFTEVNS	265
Qy	743	DARKFVCEYRRPVAERAQDIGHFILAGLTHLAVISNAFLAFASSDFLPRAYYRWTRAH	802
		:: : : : : :: :: : : : : :	
Db	266	DALKMCRVFKRPFSEPSANIGVWQLAFETMSVISVTNCALIGMSPQV--NAVFPESKA-	322
Qy	803	DLRGFLNFTLARAPSSFAAAHNRTCRYRAFRDDDGHSQTYWNLLAIRLAFAVIVFEHVVF	862
		: : :	
Db	323	DL-----ILIVVAVEHALL	336
Qy	863	SVGRLLDLLUVDIPESSVEIKVKREYYLAQKALAENEVLFGTNGTKDE	909
	:: : :: : : : : : :		
Db	337	ALKFILAFAIPIPDKPRHIOMKLARLEFESLEALKOOQMKLVTENLKEE	383

RESULT 13

US-09-270-767-61064

; Sequence 61064, Application US/09270767

; Patent No. 6703491

GENERAL INFORMATION

; APPLICANT: Homburger et al.

: TITLE OF INVENTION: Nucleic acids and proteins of *Drosophila melanogaster*

; FILE REFERENCE: File Reference: 7326-094

; CURRENT APPLICATION NUMBER: US/09/270,767

; CURRENT FILING DATE: 1999-03-17

; NUMBER OF SEQ ID NOS: 6251

SOFTWARE: Page

; SEO ID NO 610

LENGTH: 2

TYPE: PRT

; ORGANISM: Prosc

US-09-270-767-61064

Query Match 8.0%; Score 396.5; DB 2; Length 215;
Best Local Similarity 43.2%; Pred. No. 5.3e-34;
Matches 89; Conservative 36; Mismatches 54; Indels 27; Gaps 6;

Qy	648	MVGKQVINNMQEVLIPKLKGWWQKFRRLRSKKRAGASAGASQGP-----WEDDYEL	698
		: : : ; : : : ::	
Db	1	MVGKQAFNTILEVYLP---FWRKV---LAIQVGLSRLFNNTPNPDKTDERWMRDFKL	53
Qy	699	VP--CEGLFDDEYLEMVLQFGFVTIFVAACPLAPLFALLNNWVEIRLDARKFVCEYRPVA	756
		: : : : : : : : :	
Db	54	LDWGARGIPEPEYLLEMVLOYGFVTFVAACPLAPFALLNNILEMRI.DAKKLILTHKRPV	113

Qy	757 ERAQDIGIWPHILAGLTHLAVISNAFLAFLSSDFLPRAYYRWTRAHDLRGFLNFTLAR--	814
	: : : : : : : : : : : : :	
Db	114 QRVRDIGVWYRILDCIGKLSVTNGFIIAFTSDMIPRLVRHVNQGTLGYLNLFTLSEFK	173
Qy	815 ---APSSFAAHN---RTCRYRAFR	833
	: : :: :	
Db	174 VIDSPPTLYSLAGDLSNITTCTRYTDFR	199

RESULT 14

US-09-270-767-32253

; Sequence 32253, Application US/09270767

; Patent No. 6703491

; GENERAL INFORMATION:

; APPLICANT: Homburger et al.

; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster

; FILE REFERENCE: File Reference: 7326-094

; CURRENT APPLICATION NUMBER: US/09/270,767

; CURRENT FILING DATE: 1999-03-17

; NUMBER OF SEQ ID NOS: 62517

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 32253

; LENGTH: 366

; TYPE: PRT

; ORGANISM: Drosophila melanogaster

US-09-270-767-32253

Query Match 7.1%; Score 353; DB 2; Length 366;
 Best Local Similarity 32.4%; Pred. No. 7.7e-29;
 Matches 95; Conservative 56; Mismatches 104; Indels 38; Gaps 9;

Qy	108 RIADFVLVWEEDLKLDRQQDSAARDRTDMHRT-WRETFLDNLRAAGLCVD--QQDVQDGN	164
	: : : :: : : : :	
Db	93 RSIDFVLAYRIN-----AHEPTELENTEKRRVFEANLISQGLEVESSQKD-----	137

Qy	165 TTVHYALLSASWAVLCYYAEDLRLKLPLQELPNQASNWSAGLLAWLGIPNVL-----LE	218
	: : : :: : : : : : : : :	
Db	138 -QIWFVKIHAPLEVLRYYAEILKLRMPMKIEPQMSVVNRSTKSVFSSLKHVFQFFLRIY	196

Qy	219 VVPDPVPPEYYSCRFRV--NKLPFLGSDNDQDTFFTSTKRHQILFEIL--AKTPYGHENKN	274
	:: : : :: : : :: : ::	
Db	197 VDEEIFPK-RAHRTAIYSRDKEYLFDIRQDCFFTAVRSRIVEFILDRQRFPAKNQHDM	255

Qy	275 LLGIHQLLAEGVLSAAFPLHDGPFPKTPPEGPQAPRLNQRQVLFQHWARWGKWNKYQPLDH	334
	: : : : : : : : : : : : :	
Db	256 AFGIERLIAEGVYSAAPLHDGEITETG-----TMRALLYKHWASVPKWYRQPLDD	307

Qy	335 VRRYFGEKVALYFAWLGFYTGWILLPAAVVGTFLVGCFLVFSDIPTQELCGS	387
	:: : : : : :: : : : : :	
Db	308 IKEYFGVKIGLYFAWLGYTYMLLASIVGVICFLYSWFSLKNYVPVKDICQS	360

RESULT 15

US-09-270-767-47470
; Sequence 47470, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 47470
; LENGTH: 366
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-47470

Query Match 7.1%; Score 353; DB 2; Length 366;
Best Local Similarity 32.4%; Pred. No. 7.7e-29;
Matches 95; Conservative 56; Mismatches 104; Indels 38; Gaps 9;

Qy	108 RIADFVLVWEEDLKLDRQQDSAARDRTDMHRT-WRETFLDNLRAAGLCVD--QQDVQDGN 164
	: : : :: : :
Db	93 RSIDFVLAYRIN-----AHEPTELENTEKRRVFEANLISQGLEVESSQKD---- 137
Qy	165 TTVHYALLSASAWVLCCYYAEDLRLKLPLQELPNQASNWSAGLLAWLGIPNVL----LE 218
	: : : :: :: : : : : : : :
Db	138 -QIWVFVKIHAPLEVLRYYAEILKLRMPMKEIPGMSVVNRSTKSVFSSLKHVFQFFLRNIY 196
Qy	219 VVPDPVPEYYSCRFRV--NKLPRLGSDNDQDTFFTSTKRHQILFEIL--AKTPYGHEKKN 274
	:: : :: : :: : : ::
Db	197 VDEEIFPK-RAHRFTAIIYSRDKEYLFDIQRDCFFTAVRSRIVEFILDRQRFPAKNQHDM 255
Qy	275 LLGIHQLLAEGVLSAAFLHDGPFKTPPEGPQAPRLNQRQVLFQHWARWGKWNKYQPLDH 334
	: : : : : : : :
Db	256 AFGIERLIAEGVYSAAPLHDGEITETG-----TMRALLYKHWASVPKWYRQPLDD 307
Qy	335 VRYYFGEKVALYFAWLGFTGWLPAAVVGTLVFLVGCFLVFSDIPTQELCGS 387
	:: : : : :: : : : ::
Db	308 IKEYFGVKIGLYFAWLGYTYMLLASIVGVICFLYSWFSLKNYVPVKDICQS 360

Search completed: March 17, 2009, 05:04:35

Job time : 160.9 secs